| Combined Declaration For Patent Application and Power of Attorney (Continued) Includes Reference to PCT International Applications) | | | | | I | Y'S DOCKET HUME F-14 | | | |
|---|--|---|--|---|--|--|--|--|--|
| | subjer mann mater | national applica of matter of ea ler provided by rial information | ition(s) designating ich of the claims o the first paragraph i as defined in Titl | the Unite of this app of Title se 37. Coo | ed States Code, §120 of any ed States of America that in polication is not disclosed in 35. United States Code, §1 de of Federal Regulations, ponal or PCT international fil | is/are listed below that/those prior: 112. I acknowlege \$1.56(2) which or | and, insofar application(s) the duty to constant | as the in the | |
| | PRIOI 35 U. | R U.S. APPLICA S.C. 120: | TIONS OR PCT INT | ERNATIO | NAL APPLICATIONS DESIGN | ATING THE U.S. F | OR BENEFIT | UNDER | |
| | | | U.S. APPLICAT | 10NS | | \$1 | TATUS (Check on | ie) | |
| | U | S. APPLICATION NUME | 3£ A | | U.S. FILING DATE | PATENTED | PATENTED PENDING | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | , | | |
| | | PCT A | APPLICATIONS DESIG | NATING TH | IE U S | | | | |
| _ | - PCT APPLIC | ATION NO | PCT FILING DAT | E | U.S. SERIAL NUMBERS ASSIGNED III ANYI | | | | |
| _ | CT/GB9 | 91/00706 | May 2,19 | 91 | 2330 00 111 211) | - | | | |
| Н | y . , y . , | 2 1 7 9 9 7 9 9 | 1144 | | | | | | |
| Ł | | | | | 1 | 1 1 | | | |
| <u>-</u> | this at | ER OF ATTORN polication and trumber) | James F. | n the Pate Hale | hereby appoint the following and and Trademark Office confusions, Jr., Esq. (Fonell, Esq. (Re | nected therewith.(L Reg. No. 2 | List name and i | rosecute registra | |
| | this at | ondence to: | James F. Leslie A James F. Ha James F. Ha Fish & Near | Hale . McDo aley, ve Avenue | y, Jr., Esq. (Fonell, Esq. (Re Jr., Esq. | Reg. No. 2 eg. No. 34 Direct Tel | 27,794) 2,872) ephone Calls to tephone number: | o: ey, Jr | |
| | tion nu | ondence to: | James F. Leslie A James F. Ha James F. Ha Fish & Near | Hale; . McDialey, ve Avenue | y, Jr., Esq. (Fonell, Esq. (Re Jr., Esq. | Reg. No. 2 eg. No. 34 Direct Tel Iname and te James 212-7 | ephone Calls to tephone number: F. Hall | o: ey, Jr | |
| | tion nu | ondence to: | James F. Harrish & Near 1875 Third & New York, 1 | Hale; . McDialey, ve Avenue New Yo | y, Jr., Esq. (Fonell, Esq. (Re Jr., Esq. | Reg. No. 2 Pirect Tell Iname and re James 212-7 | ephone Calls to F. Hall 15-0600 | o: ey, Jr | |
| | tion nu | ondence to: Family Name Coat | James F. Leslie A James F. Ha James F. Ha Fish & Near 375 Third A New York, 1 | Haley, McDo | y, Jr., Esq. (Fonell, Esq. (Red) Jr., Esq. e, 29th Floor ork 10022-6250 | Direct Tell Iname and re James 212-7 SECONO GIVER | ephone Calls to reprove number F. Hall 15-0600 | o: ey, Jr | |
| - | THIS BE TOO THE STORY OF THE ST | polication and trumber) Indence to: Family NAME | James F. Harans Fish & Near Barry Third Fish & Near Barry Third Fish & Wew York, Inches Barry Third Fish & San Bar | Hale . McDo aley, ve Avenue New Yo | y, Jr., Esq. (Fonell, Esq. (Renell, Esq. (Re | Direct Tell Iname and tell Iname Second Given Country of C Unit | ephone Calls to the phone rumber of the phone | ey, Jr | |
| - | FULL NAME OF INVENTOR POST OFFICE ADDRESS FULL NAME | polication and trumber) Indence to: Family NAME | James F. Leslie A James F. Ha James F. Ha Fish & Near 375 Third A New York, New York, New York | Hale . McDo aley, ve Avenue New Your standard Lee, City | y, Jr., Esq. (Fonell, Esq. (Respectively), Jr., Esq. (Respectively), Esq | Direct Tell Iname and tell Iname Second Given Country of C Unit | ephone Calls to the phone rumber of F. Hall 15-0600 THE CALL THE C | ey, Jr | |
| | FULL NAME OF INVENTOR | FAMILY NAME COAT COST OFFICE ADDRE Berkel FAMILY NAME Mutt | James F. Harans F. Third F. Thi | Hale Hale McD aley, ve Avenue New Ye Ine, City (Inest | y, Jr., Esq. (Fonell, Esq. (Re Jr., Esq. e, 29th Floor ork 10022-6250 GOVENNAME Jonathan TE ON FOREIGN COUNTRY England Greenford TOVEN NAME JOYEN NAME JOYEN NAME | Direct Tell Iname and tell Iname and tell Iname Second Given Country of Country of Country of Middle Second Given State & Zir C Middle Second Given Mai | ephone Calls to the phone number of F. Hall 15-0600 NAME Allan Ed King ODE/COUNTRY ISSEX UB6 ON NAME TIN | ey, Jr | |
| | FULL NAME OF INVENTOR POST OFFICE ADDRESS FULL NAME | FAMILY NAME COAT CITY COAT FAMILY NAME COAT CITY Gree FAMILY NAME Mutti | James F. Harans Fish & Near B75 Third Anew York, Incess Glaxo House by Avenue | Hale Hale McDo aley, ve Avenue New Yo sta | y, Jr., Esq. (Fonell, Esq. (Red) Jr., Esq. e, 29th Floor ork 10022-6250 GUENNAME Jonathan TE OR FOREIGN COUNTRY England Greenford Taylen NAME Lan TE OR FOREIGN COUNTRY England | Direct Tell Iname and re James 212-7 SECOND GIVER STATE & ZPC Middle SECOND GIVER COUNTRY OF G Unit STATE & ZPC Middle SECOND GIVER COUNTRY OF G Unit | ephone Calls to 1,872) ephone Calls to 1,872) ephone Calls to 1,872) F. Hall 15-0600 NAME Allan CITIZENSIAP ed King COC./COUNTRY SSEX UB6 0 | ey, Jr | |
| - | FULL NAME OF INVENTOR | FAMILY NAME COAT CITY Gree POST OFFICE ADDRE Mutti CITY Gree POST OFFICE ADDRE | James F. Leslie A James F. Ha Fish & Near 375 Third A New York, I tes strict Glaxo House on nford strict Glaxo House on | Hale Hale McDi aley, ve Avenue New Ye stal e city contact first | y, Jr., Esq. (Fonell, Esq. (Reconstruction) y, Jr., Esq. (Reconstruction) Jr., Esq. e, 29th Floor ork 10022-6250 TGIVEN NAME JONATHAN TE OR FOREIGN COUNTRY England Greenford TE OR FOREIGN COUNTRY England TE OR FOREIGN COUNTRY England | Direct Tel Iname and re James 212-7 SECOND GIVER COUNTRY OF G Unit STATE & ZP C Unit STATE & ZP C | ephone Calls to tephone number: F. Hall 15-0600 CONTRY SEEX UB6 0 OF COUNTRY SEEX UB6 0 | ey, Jr dom NN | |
| | FULL NAME OF INVENTOR POST OFFICE ADORESS FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADORESS | FAMILY NAME COAT FAMILY NAME COAT FOST OFFICE ADDRE MULTU Gree POST OFFICE ADDRE POST OFFICE ADDRE BERKE FAMILY NAME | James F. Harans Fish & Near B75 Third Anew York, Incess Glaxo House by Avenue | Hale Hale McD aley, ve Avenue New Your stal e city | y, Jr., Esq. (Fonell, Esq. (Reconstruction) y, Jr., Esq. (Reconstruction) y, Jr., Esq. (Reconstruction) green 10022-6250 gree | Direct Tel Iname and re James 212-7 SECOND GIVER COUNTRY OF G Unit STATE & ZPIC Middl SECOND GIVER STATE & ZPIC Middl SECOND GIVER Middl SECOND GIVER | ephone Calls to 1,872) ephone Calls to 1,872) ephone Calls to 1,872) F. Hall 15-0600 NAME Allan CITIZENSIAP ed King COC/COUNTRY ESEX UB6 0 NAME ted King COC/COUNTRY ESEX UB6 I NAME | ey, Jr dom NN | |
| e - | FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF INVENTOR | FAMILY NAME COAT CITY Gree POST OFFICE ADDRE MUTTI CITY Gree POST OFFICE ADDRE POST | James F. Leslie A James F. Ha James J. Jame | Hale Hale McDo aley, ve Avenue STA I Ge, CITY (FIRST | y, Jr., Esq. (Fonell, Esq. (Record), | Direct Tel Iname and re James 212-7 SECOND GIVER COUNTRY OF G Unit STATE & ZPIC Middl SECOND GIVER STATE & ZPIC Middl SECOND GIVER Middl SECOND GIVER | ephone Calls to tephone number of F. Hall 15-0600 control ed King to tephone control ed King to tephon | ey, Jr dom NN | |
| | FULL NAME OF INVENTOR POST OFFICE ADORESS FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADORESS | FAMILY NAME COAT CITY Gree POST OFFICE ADDRE BERKel FAMILY NAME MUTTI CITY Gree Berke FAMILY NAME POST OFFICE ADDRE BERKE FAMILY NAME FAMILY NAME OTTO Gree FAMILY NAME | James F. Leslie A James F. Ha James J. Jame | Hale Hale McDi aley, ve Avenue New Yo FIRST CITY FIRST STAT | y, Jr., Esq. (Fonell, Esq. (Record), Jr., Esq. (Record), Esq. (Rec | Direct Tel Reg. No. 34 Direct Tel Iname and te James 212-7 SECONO GIVER COUNTRY OF G Unit STATE & ZIP G Middle SECONO GIVER COUNTRY OF G Unit STATE & ZIP G Middl SECONO GIVER COUNTRY OF G Unit | ephone Calls to tephone number of F. Hall 15-0600 control ed King to tephone control ed King to tephon | ey, Jr dom NN adom | |

M. Metton

PTO 1381 MEV 10 831 Pap 2 of 3

SIGNATURE OF INVENTOR 201

U.S. DEPARTMENT OF COMMERCE-Parent and Trademark Office

Jan 1992

DATE

| Cod | mbined Do | eclaration For Patent | Application | and Power of Attorney (Cor | ntinued) | | 7'S DOCKET HUMBI P | | |
|-----------|--|--|---|---|--|--|--|--|--|
| (| cludes Reference to PCT International Applications) | | | | | | IAF-14 | | |
| | interna subject manne materia | itional application(s) des matter of each of the r provided by the first p all information as define | signating the Colaims of this paragraph of Ted in Title 37. | inited States Code, §120 of any United States of America that is application is not disclosed in itle 35. United States Code, §1 Code of Federal Regulations, national or PCT international fil | s/are listed below that/those prior a 12. I acknowlege §1.56(a) which on | and, insofar application(s) the duty to decurred between | as the in the lisclose | | |
| _ | PRIOR | U.S. APPLICATIONS OR | PCT INTERNA | TIONAL APPLICATIONS DESIGN | ATING THE U.S. F | OR BENEFIT | UNDER | | |
| | 35 U.S | .C. 120; | APPLICATIONS | <u> </u> | | | tus (Check one) | | |
| | | APPLICATION NUMBER | · T | U.S. FRING DATE | PATENTED | PENDING | ABANDONED | | |
| - | | APPLICATION NUMBER | | | | | | | |
| - | | | | | | <u> </u> | | | |
| - | | | | | | | | | |
| _ | | PCT APPLICATION | ONS DESIGNATIN | NG THE U S | | | T | | |
| _ | PCT APPLICA | TION NO P | T FEING DATE | U.S. SERIAL NUMBERS ASSICHED IN ANY | | | | | |
| _ | | | | ASSUMED IN THE | | | | | |
| _ | | | | | | | 1 | | |
| _ | | | | | | | 1. | | |
| - | nd Correspor | ndence to: | | | | elephone Calls | to: | | |
| - Set | nd Correspon | ndence to: | | | | | to: | | |
| | · . | | | Lares Civilia name | , (name and t | relephone numberl | to: | | |
| je i | FULL NAME OF INVENTOR | FAMILY NAME | | Christopher | SECONO GIVI | EN NAME | to: | | |
| 1 | FULL NAME OF INVENTOR | FAMILY NAME Williamson | | Christopher | SECONO GIVI | EN NAME | · · · · · · · · · · · · · · · · · · · | | |
| | FULL NAME OF INVENTOR RESIDENCE & CITIZENSI-IP | Williamson CITY Greenford POST OFF CE ADDRESS Gla | xo House | Christopher state on Foreign Country England | SECONO GIVI COUNTRY OF Unit | EN NAME F CITIZENSHI E CODE/COUNTRY | gdom | | |
| 1 | FULL NAME OF REVENTOR RESIDENCE & CITIZENSIMP POST OFFICE ADDRESS FULL NAME | Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave | xo House nue | Christopher STATE ON FOREIGN COUNTRY England GITY Greenford FIRST DVEN NAME | SECONO GIVI COUNTRY OF Unit | EN NAME F CITIZENSH CODE/COUNTRY esex UB6 | gdom | | |
| 1 | FULL NAME OF REVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF REVENTOR | Williamson Greenford FOST OFFICE ADDRESS Gla Berkeley Ave | xo House nue | Christopher state on Foreign Country England Cuty Greenford | SECONO GIVI COUNTRY OF Unit STATE A 2P Middle SECONO GIV | EN NAME F CITIZENSHIP CODE/COUNTRY CSC VB6 F CITIZENSHIP CTORE/COUNTRY CSC VB6 F CITIZENSHIP F CITIZENSHIP | gdom ONN | | |
| 203 | FULL NAME OF REVENTOR RESIDENCE & CITIZENSIMP POST OFFICE ADDRESS FULL NAME OF REVENTOR RESIDENCE & CITIZENSIMP | Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMILY NAME Storer CITY Greenford | nue | Christopher STATE ON FOREIGN COUNTRY England GITY Greenford FIRST DIVEN NAME Richard TATE ON FOREIGN COUNTRY England | SECONO GIVI COUNTRY OF UNIT STATE A ZP Middle SECONO GIV COUNTRY OF UNIT | EN NAME F CITIZENSHIP CODE/COUNTRY ESEX UB6 F CITIZENSHIP TEN NAME F CITIZENSHIP TEN NAME F CITIZENSHIP TEN NAME | gdom ONN | | |
| 503 | FULL NAME OF INVENTOR RESIDENCE & CITIZENSIMP POST OFFICE ADDRESS FULL NAME OF INVENTOR RESIDENCE & | FAMILY NAME Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMILY NAME Storer CITY | nue xo House | Christopher STATE ON FOREIGN COUNTRY England GITY Greenford FIRST DVEN NAME Richard TATE ON FOREIGN COUNTRY England GITY Greenford | SECONO GIVI COUNTRY OF Unit STATE A 2P Middle SECONO GIV COUNTRY OF Unit STATE A 2P Midd | EN NAME CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY LESEX UB6 CODE/COUNTRY LESEX UB6 | ndom gdom | | |
| 503 | FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF PRVENTOR RESIDENCE & CITIZENSHIP POST OFFICE | FAMILY NAME Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMILY NAME Storer CITY Greenford POST OFFICE ADDRESS Gla | nue xo House | Christopher STATE ON FOREIGN COUNTRY England CITY Greenford FIRST DIVEN NAME Richard .TATE ON FOREIGN COUNTRY England CITY | SECONO GIVI COUNTRY OF UNIT STATE A ZP Middle SECONO GIV COUNTRY OF UNIT | EN NAME CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY LESEX UB6 CODE/COUNTRY LESEX UB6 | ndom Gdom | | |
| 503 | FULL NAME OF REVENTOR RESIDENCE & CITIZENSIMP POST OFFICE ADDRESS FULL NAME OF RIVENTOR RESIDENCE & CITIZENSIMP POST OFFICE ADDRESS FULL NAME OF RIVENTOR | FAMELY NAME Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMELY NAME Storer CITY Greenford POST OFFICE ADDRESS Gla Berkeley Av | nue xo House | Christopher STATE ON FOREIGN COUNTRY England GITY Greenford FIRST DVEN NAME Richard TATE ON FOREIGN COUNTRY England GITY Greenford | SECONO GIVI COUNTRY OF Unit STATE A ZP Middle SECONO GIV COUNTRY OF Unit STATE A ZP Midd | EN NAME CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY CODE/COUNTRY LESEX UB6 CODE/COUNTRY LESEX UB6 | ndom gdom | | |
| \$07 C07 | FULL NAME OF REVENTOR RESIDENCE & CITIZENS-MP POST OFFICE ADDRESS FULL NAME OF REVENTOR RESIDENCE & CITIZENS-MP POST OFFICE ADDRESS | Williamson CITY Greenford POST OFFCE ADDRESS Gla Berkeley Ave FAMILY NAME Storer CITY Greenford POST OFFCE ADDRESS Gla POST OFFCE ADDRESS Gla Berkeley Ave | nue xo House | Christopher STATE ON FOREIGN COUNTRY England CITY Greenford FIRST DVEN NAME Richard .TATE ON FOREIGN COUNTRY England CITY Greenford FIRST GIVEN NAME | COUNTRY OF UNITSTATE A 2P Middle SECOND GIV | EN NAME COTIZENSHI CODE, COUNTRY ESEX UB6 CODE, COUNTRY CODE, COUNTRY LESEX UB6 CODE, COUNTRY LESEX UB6 EN NAME | ndom gdom | | |
| £0.7 C0.7 | FULL NAME OF REVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF REVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS FULL NAME OF REVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS I here inform that v 1001 | FAMILY NAME Williamson CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMILY NAME Storer CITY Greenford POST OFFICE ADDRESS Gla Berkeley Ave FAMILY NAME CITY POST OFFICE ADDRESS by declare that all state nation and belief are bewilfful false statements of Title 18 of the Unite optication or any patent | ements made clieved to be to and the like so de States Code issuing thereon | Christopher STATE ON FOREIGN COUNTRY England CITY Greenford FIRST DIVEN NAME Richard TATE ON FOREIGN COUNTRY Greenford FIRST GIVEN NAME STATE ON FOREIGN COUNTRY OTTY Therein of my own knowledge arrue: and further that these state on made are punishable by fine of and that such willful false state on and that such will full false state on and that such will false state on and that such | SECONO GIVE COUNTRY OF Unit STATE A 2P Middle SECONO GIVE COUNTRY OF COUNTRY OF STATE A 2P COUNTRY OF COUNTRY OF STATE A 2P The true and that all ements were made or imprisonment, of | EN NAME F CITIZENSHIP THE CODE, COUNTRY ESEX UB6 F CITIZENSHIP THE CODE, COUNTRY LESEX UB6 F CODE, COUNTRY LESEX UB6 F CODE, COUNTRY I STATEMENT I STA | gdom ONN ONN made on owledge r section | | |

PT() 1351 (REV 10 83)



COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

IAF-14

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

| 1,3-OXATHIOLANE NUCLEOSIDE A | NALOGUES | · · · |
|---|---------------------------------------|---------------------------------------|
| | | |
| | | · . |
| the specification of which (check only one item below): | | |
| is attached hereto. | , | |
| was filed as United States application | | • |
| Serial No. | | |
| on | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · |
| and was amended | | - |
| on | (if applicable). | |
| Was filed as PCT international application | | ٠ |
| Number PCT/GB91/00706 | · · · · · · · · · · · · · · · · · · · | |
| onMay 2, 1991 | | · · · · · · · · · · · · · · · · · · · |
| and was amended under PCT Article 19 | | |
| on | (if applicable). | |
| | • | |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowlege the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35. United States Code, \$119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

| COUNTRY of PCT indicate (PCT) | APPLICATION NUMBER | DATE OF FILING Iday, month, yeart | PRIORITY CLAIMED UNDER 15 USC 119 |
|----------------------------------|--------------------|--------------------------------------|--------------------------------------|
| Great Britain | 9009861.7 | May 2, 1990 | Ø 145 □ 40 |
| | | | □ YES □ 100 |
| | | | □ 155 □ 100 |
| | | | □ v€S □ •• |
| · | | | □ vts □ •• |

*>= 1 or 3

U.S. DEPARTMENT OF COMMERCE Parent and Trademark Offic